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LISTING OF THE CLAIMS:

1. (Original) A method, operable in a data processing system having a host, for performing an input/output transaction, comprising:

sending a request message to an adapter; and

allowing the adapter to make a remote direct memory access transfer through a system area network.

- 2. (Original) The method of claim 1, wherein the remote direct memory access includes the adapter's reading memory from the host.
- 3. (Original) The method of claim 1, wherein the remote direct memory access includes the adapter's writing to memory of the host.
- 4. (Original) The method of claim 1, wherein the request message includes remote direct memory access transfer parameters.
- 5. (Original) The method of claim 4, wherein the remote direct memory access transfer parameters include at least one of a transaction ID, a list of data segments, an identification of a storage device, and an address on a storage device.
- 6. (Original) The method of claim 1, further comprising: receiving a confirmatory response from the adapter.
- 7. (Original) A method, operable in a data processing system having an adapter, for performing an input/output transaction, comprising:

receiving a request message from a host; and performing a remote direct memory access transfer with the host through a system area network.

8. (Original) The method of claim 7, wherein the remote direct memory access includes reading memory from the host.

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- (Original) The method of claim 8, further comprising:
 writing data read from the memory to a storage device.
- 10. (Original) The method of claim 7, wherein the remote direct memory access includes writing to memory of the host.
- (Original) The method of claim 10, further comprising:
 reading from a storage device data to be written to the memory.
- 12. (Original) The method of claim 7, wherein the request message includes remote direct memory access transfer parameters.
- 13. (Original) The method of claim 12, wherein the remote direct memory access transfer parameters include at least one of a transaction ID, a list of data segments, an identification of a storage device, and an address on a storage device.
- 14. (Original) The method of claim 7, further comprising: sending a confirmatory response to the host.
- 15. (Original) A computer program product in a computer readable medium for execution in a data processing system having a host, comprising instructions for:

sending a request message to an adapter; and allowing the adapter to make a remote direct memory access transfer through a system area network.

- 16. (Original) The computer program product of claim 15, wherein the remote direct memory access includes the adapter's reading memory from the host.
- 17. (Original) The computer program product of claim 15, wherein the remote direct memory access includes the adapter's writing to memory of the host.
- 18. (Original) The computer program product of claim 15, wherein the request message includes remote direct memory access transfer parameters.

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- 19. (Original) The computer program product of claim 18, wherein the remote direct memory access transfer parameters include at least one of a transaction ID, a list of data segments, an identification of a storage device, and an address on a storage device.
- 20. (Original) The computer program product of claim 15, comprising additional instructions for:receiving a confirmatory response from the adapter.
- 21. (Original) A computer program product in a computer readable medium for execution in a data processing system having an adapter, comprising:

receiving a request message from a host; and performing a remote direct memory access transfer with the host through a system area network.

- 22. (Original) The computer program product of claim 21, wherein the remote direct memory access includes reading memory from the host.
- 23. (Original) The computer program product of claim 22, comprising additional instructions for:writing data read from the memory to a storage device.
- 24. (Original) The computer program product of claim 21, wherein the remote direct memory access includes writing to memory of the host.
- (Original) The computer program product of claim 24, comprising additional instructions for:reading from a storage device data to be written to the memory.
- 26. (Original) The computer program product of claim 21, wherein the request message includes remote direct memory access transfer parameters.

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- 27. (Original) The computer program product of claim 26, wherein the remote direct memory access transfer parameters include at least one of a transaction ID, a list of data segments, an identification of a storage device, and an address on a storage device.
- 28. (Original) The computer program product of claim 21, further comprising: sending a confirmatory response to the host.
- 29. (Original) A data processing system comprising:
 - a bus system;
- a processing unit connected to the bus system, wherein the processing unit includes at least one processor;
 - a memory;
 - a host channel adapter in connection with a system area network; and
 - a set of instructions in the memory,
 - wherein the processing unit executes the set of instructions to perform the acts of:
- sending a request message, using the host channel adapter, to an input/output device adapter; and

allowing the input/output device adapter to make a remote direct memory access transfer through the system area network.

- 30. (Original) The data processing system of claim 29, wherein the remote direct memory access includes the input/output device adapter's reading the memory.
- 31. (Original) The data processing system of claim 29, wherein the remote direct memory access includes the input/output device adapter's writing to the memory.
- 32. (Original) The data processing system of claim 29, wherein the request message includes remote direct memory access transfer parameters.
- 33. (Original) The data processing system of claim 32, wherein the remote direct memory access transfer parameters include at least one of a transaction ID, a list of data segments, an identification of a storage device, and an address on a storage device.

Page 5 of 9 Craddock et al. - 09/886,191 34. (Original) The data processing system of claim 29, wherein the processing unit performs the additional act of:

receiving a confirmatory response from the input/output device adapter.

- 35. (Original) A data processing system comprising:
 - a bus system;
- a processing unit connected to the bus system, wherein the processing unit includes at least one processor;
 - a first memory;
 - a target channel adapter in connection with a system area network; and
 - a set of instructions in the first memory,
- wherein the processing unit executes the set of instructions to perform the acts of:
 receiving a request message from a host with the target channel adapter; and
 performing a remote direct memory access transfer with the host through the system area
 network.
- 36. (Original) The data processing system of claim 35, wherein the remote direct memory access includes reading a second memory from the host.
- 37. (Original) The data processing system of claim 36, wherein the processing unit performs the additional act of:

writing data read from the second memory to a storage device.

- 38. (Original) The data processing system of claim 35, wherein the remote direct memory access includes writing to a second memory of the host.
- 39. (Original) The data processing system of claim 38, wherein the processing unit performs the additional act of:

reading from a storage device data to be written to the second memory.

40. (Original) The data processing system of claim 35, wherein the request message includes remote direct memory access transfer parameters.

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41. (Original) The data processing system of claim 40, wherein the remote direct memory access transfer parameters include at least one of a transaction ID, a list of data segments, an identification of a storage device, and an address on a storage device.

42. (Original) The data processing system of claim 35, wherein the processing unit performs the additional act of:

sending a confirmatory response to the host.